

REP'YEV, Vasilij Vasil'yevich.; BRADIS, V.M., retsenzent.; BEREZANSKAYA,
Ye.S., retsenzent.; LEPESHKINA, N.I., red.; NATANOV, M.I., tekhn. red.

[General methods of teaching mathematics; a manual for pedagogical
institutes] Obshchaja metodika prepodavaniia matematiki; posobie
dlja pedagogicheskikh institutov. Moskva, Gos. uchebno-pedagog.
izd-vo M-va prosv. RSFSR, 1958. 222 p. (MIRA 11:12)
(Mathematics--Study and teaching)

16(1)

PHASE I BOOK EXPLOITATION

SOV/2876

Rep'yev, Vasilii Vasil'yevich

Obshchaya metodika prepodavaniya matematiki; posobiye dlya pedagogicheskikh institutov (General Methods of Teaching Mathematics; a Manual for Pedagogical Institutes) Moscow, Uchpedgiz, 1958. 222 p. 35,000 copies printed.

Ed.: N.I. Lepeshkina; Tech. Ed.: M.I. Natapov.

PURPOSE: This book is intended as a textbook for students at teachers colleges. It may be useful to secondary school mathematics teachers and to students of physicomathematics departments preparing for teaching work.

COVERAGE: The author analyzes the purpose of mathematics teaching in Soviet secondary schools, and discusses methods of teaching basic mathematical concepts. Considerable attention is devoted to inductive and deductive methods in secondary school mathematics teaching. The methods of analysis

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General Methods (Cont.)

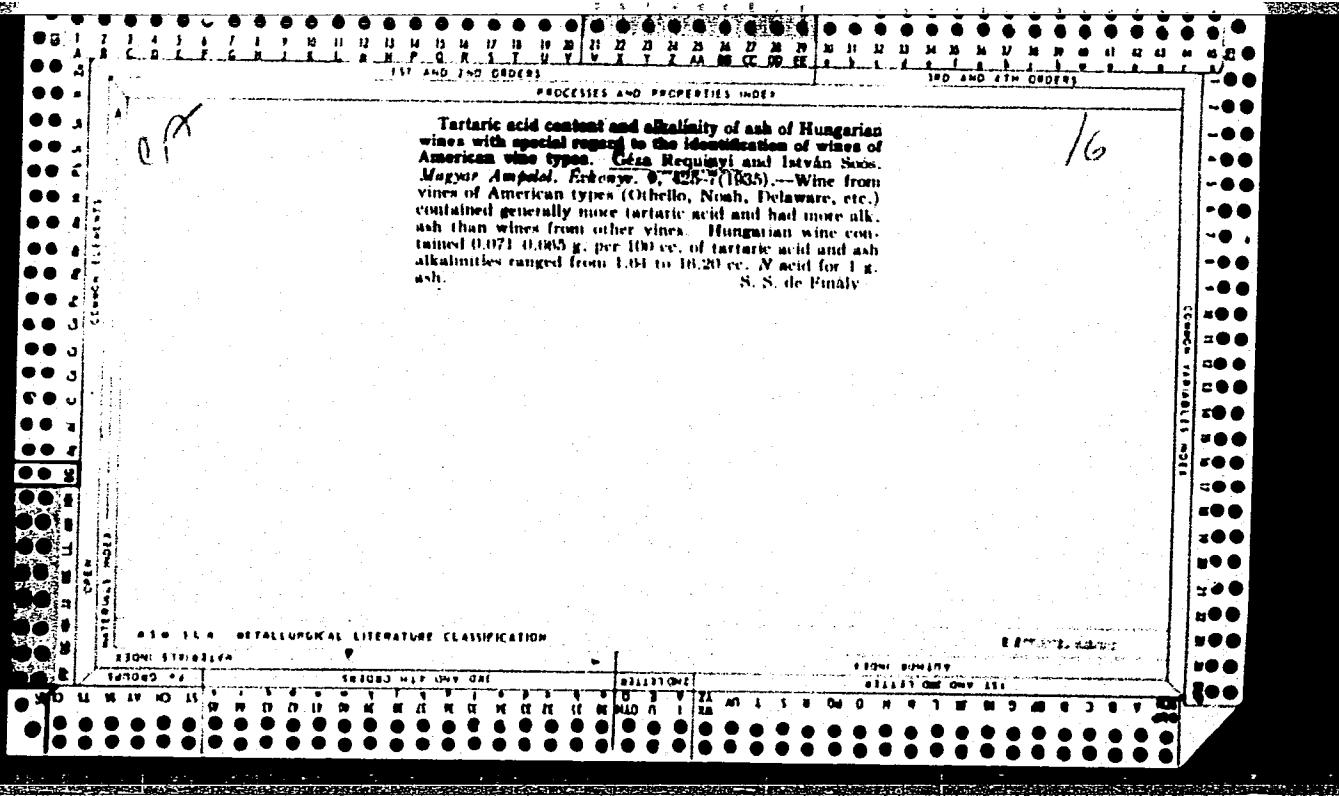
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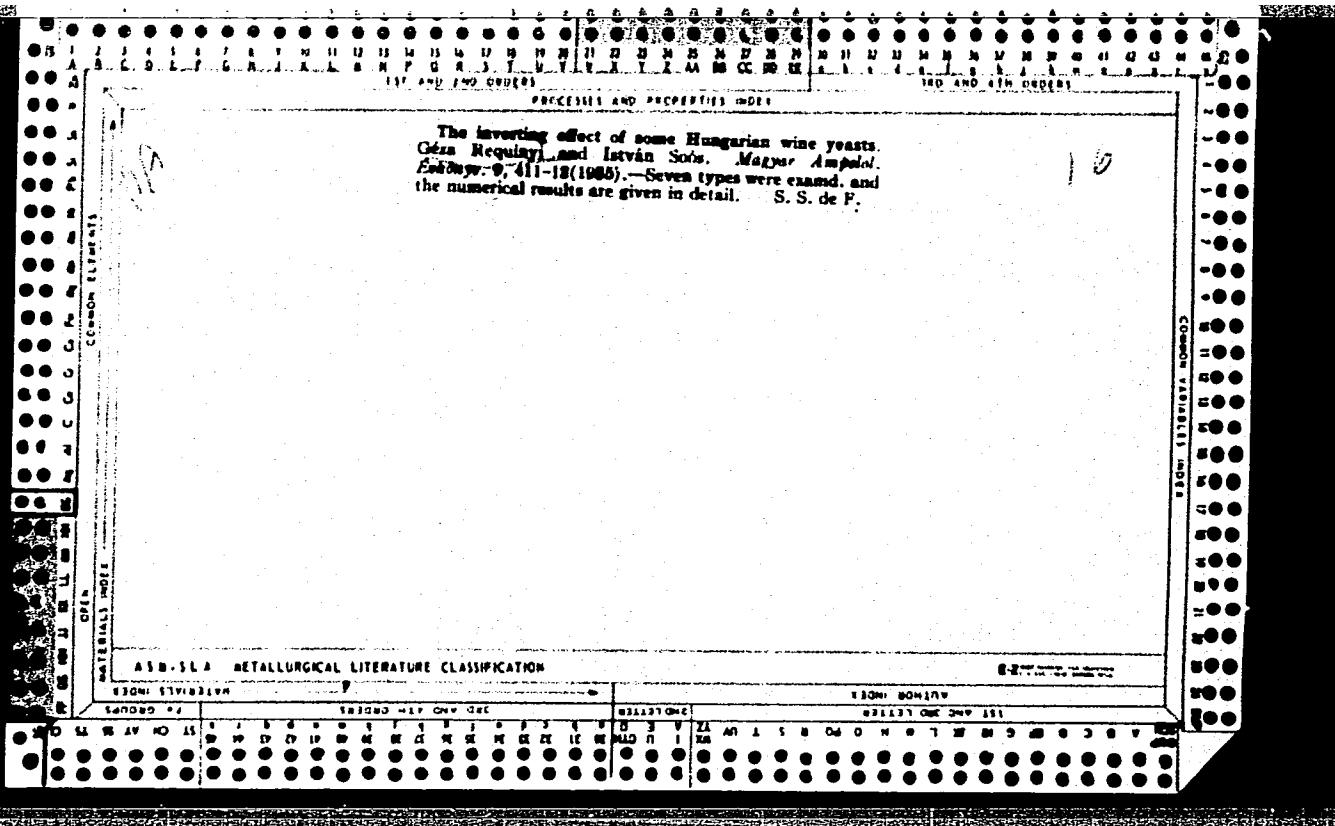
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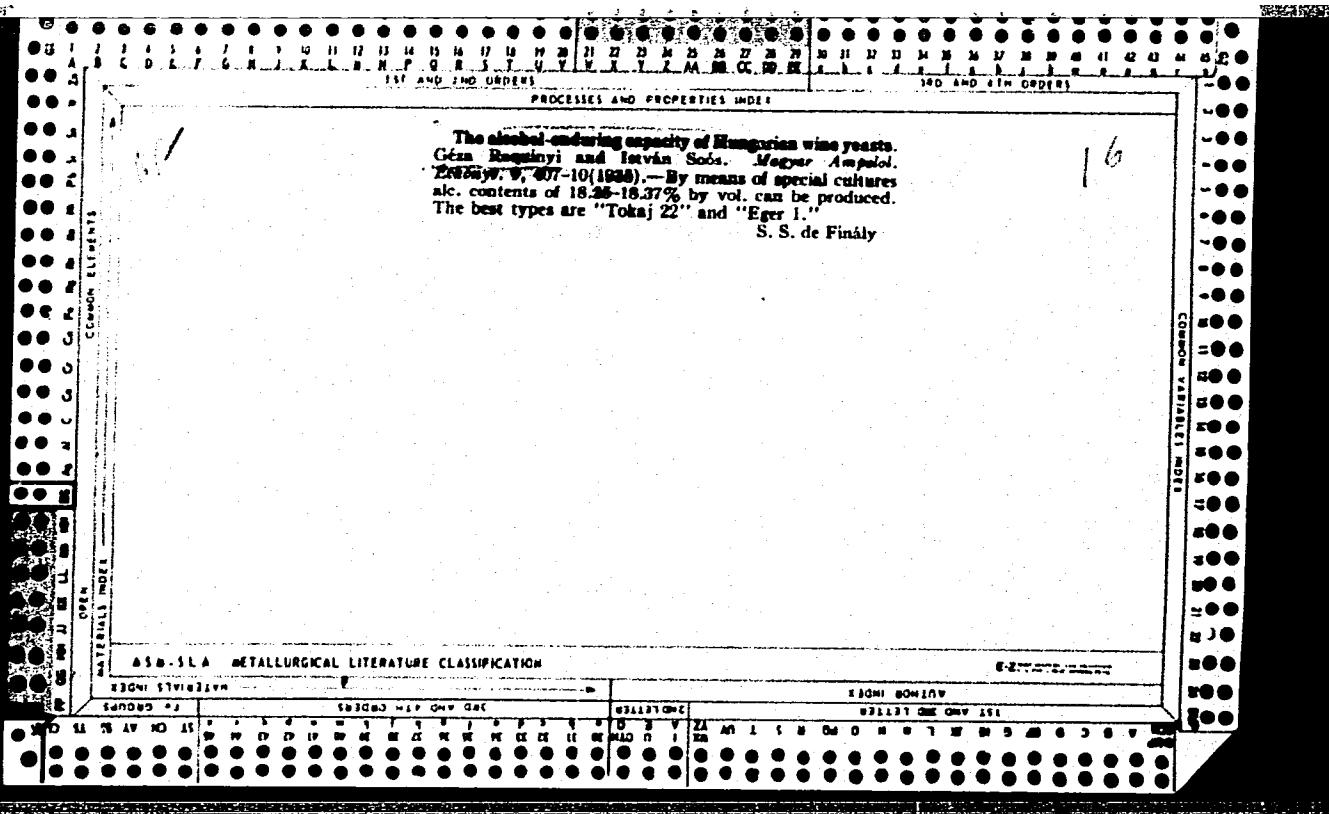
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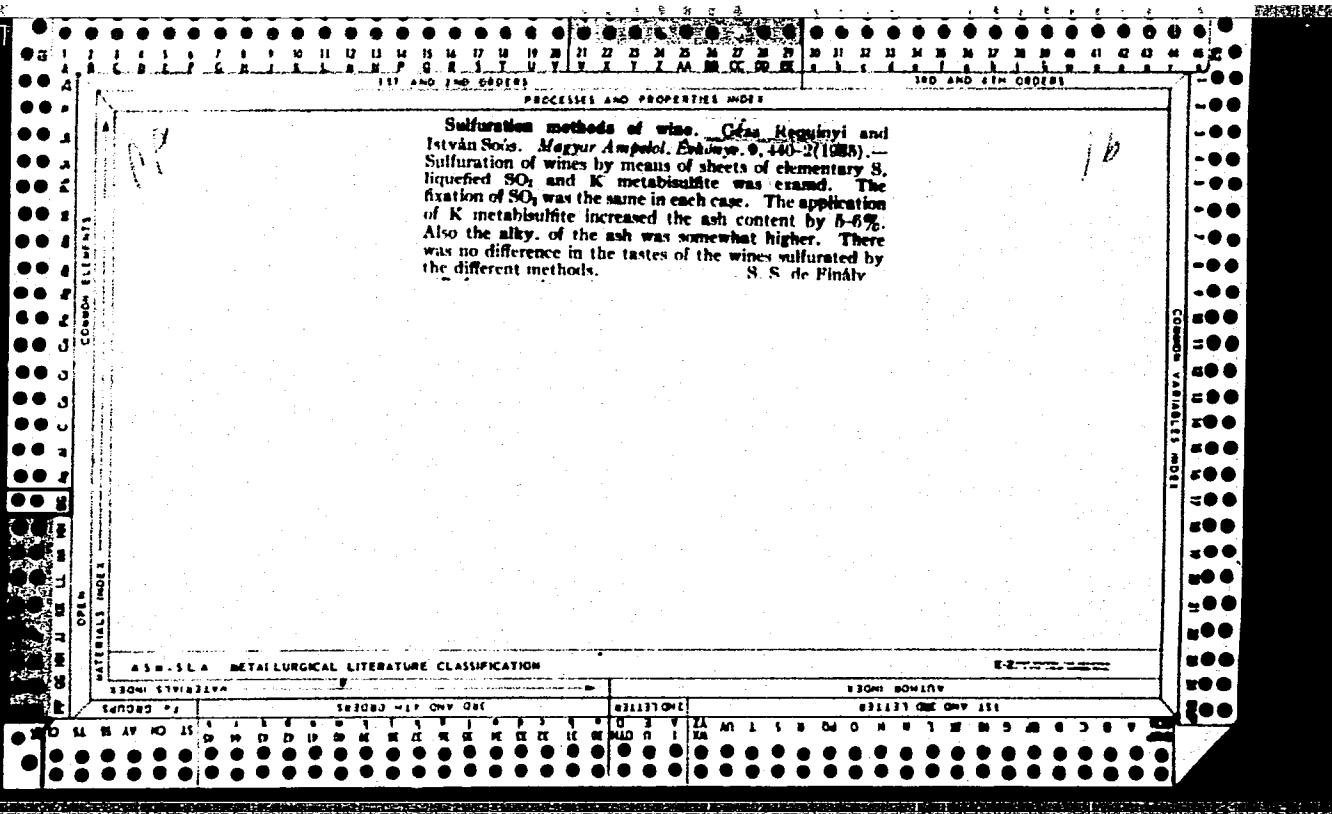
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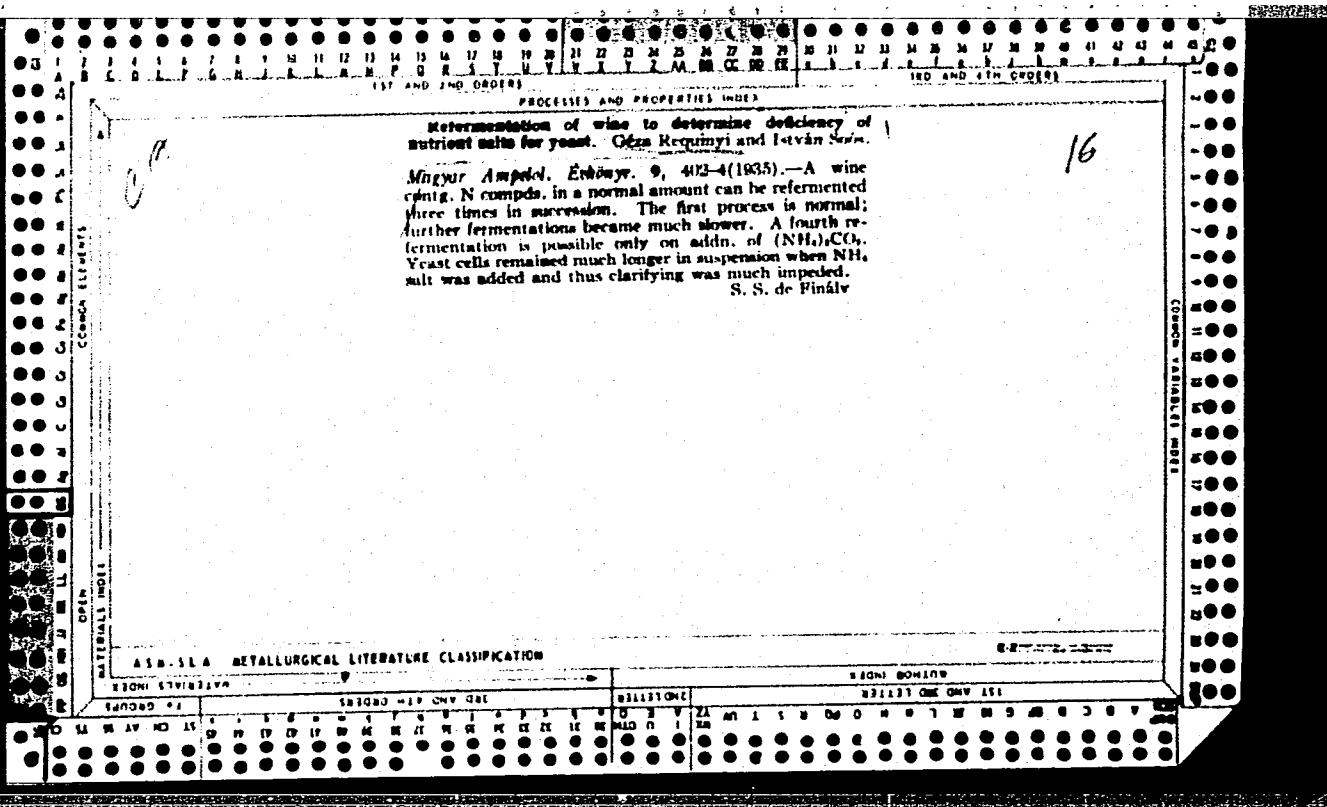
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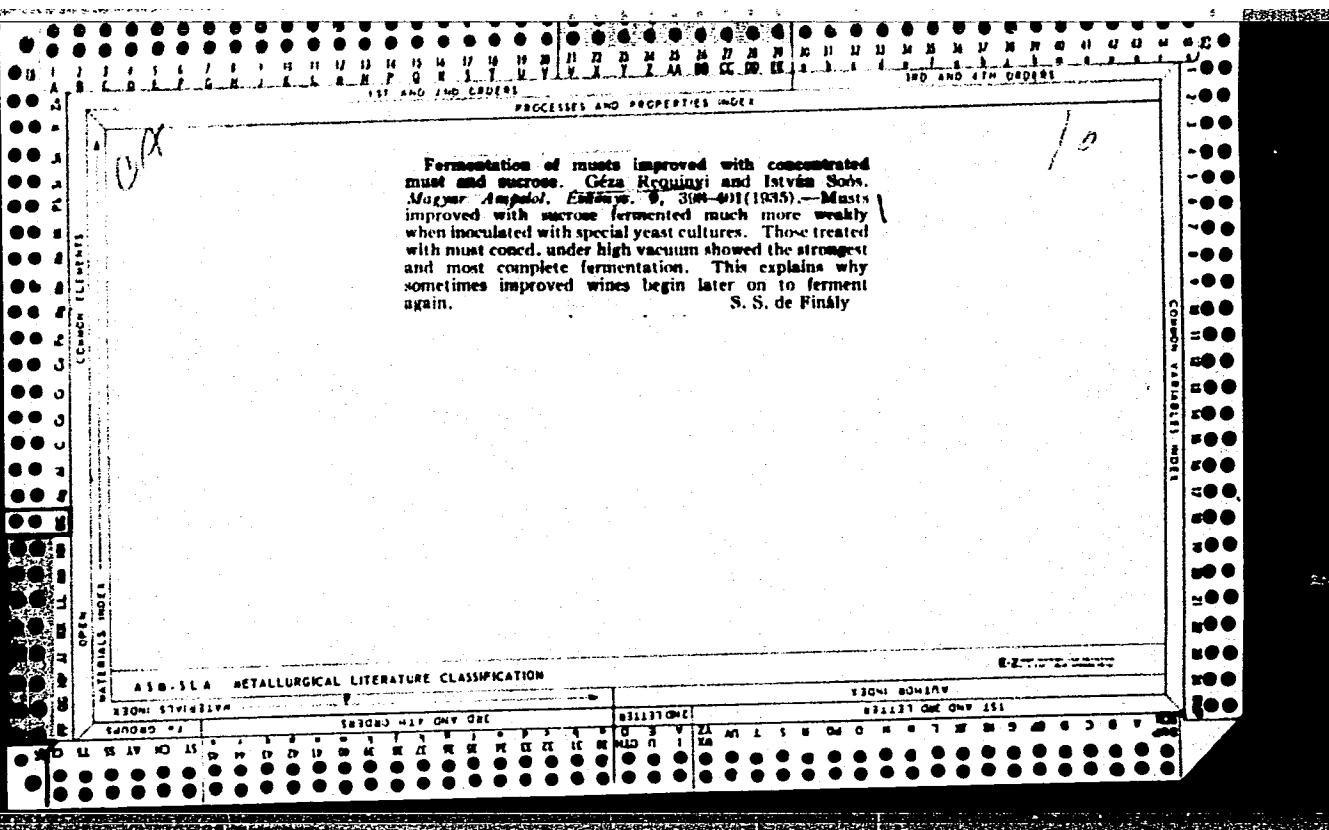


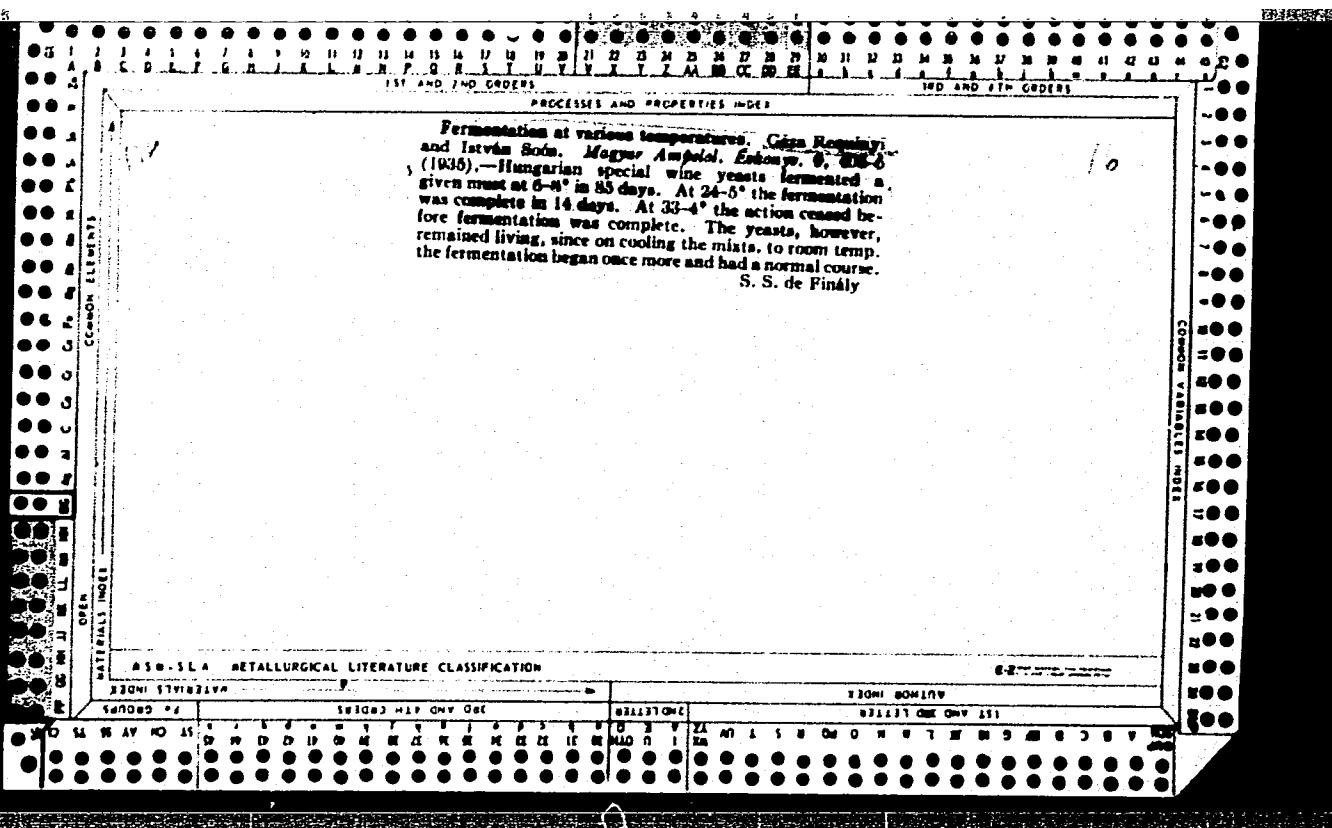


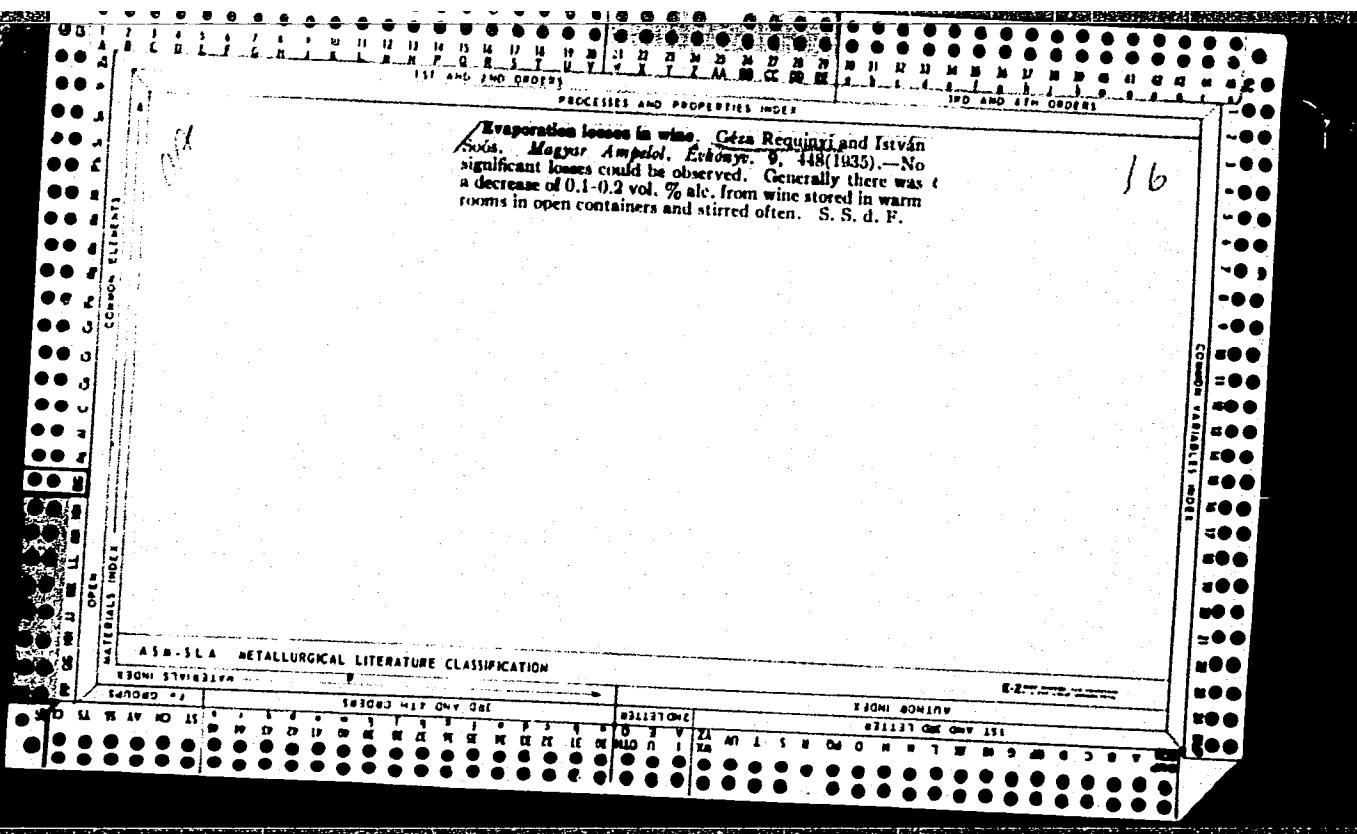


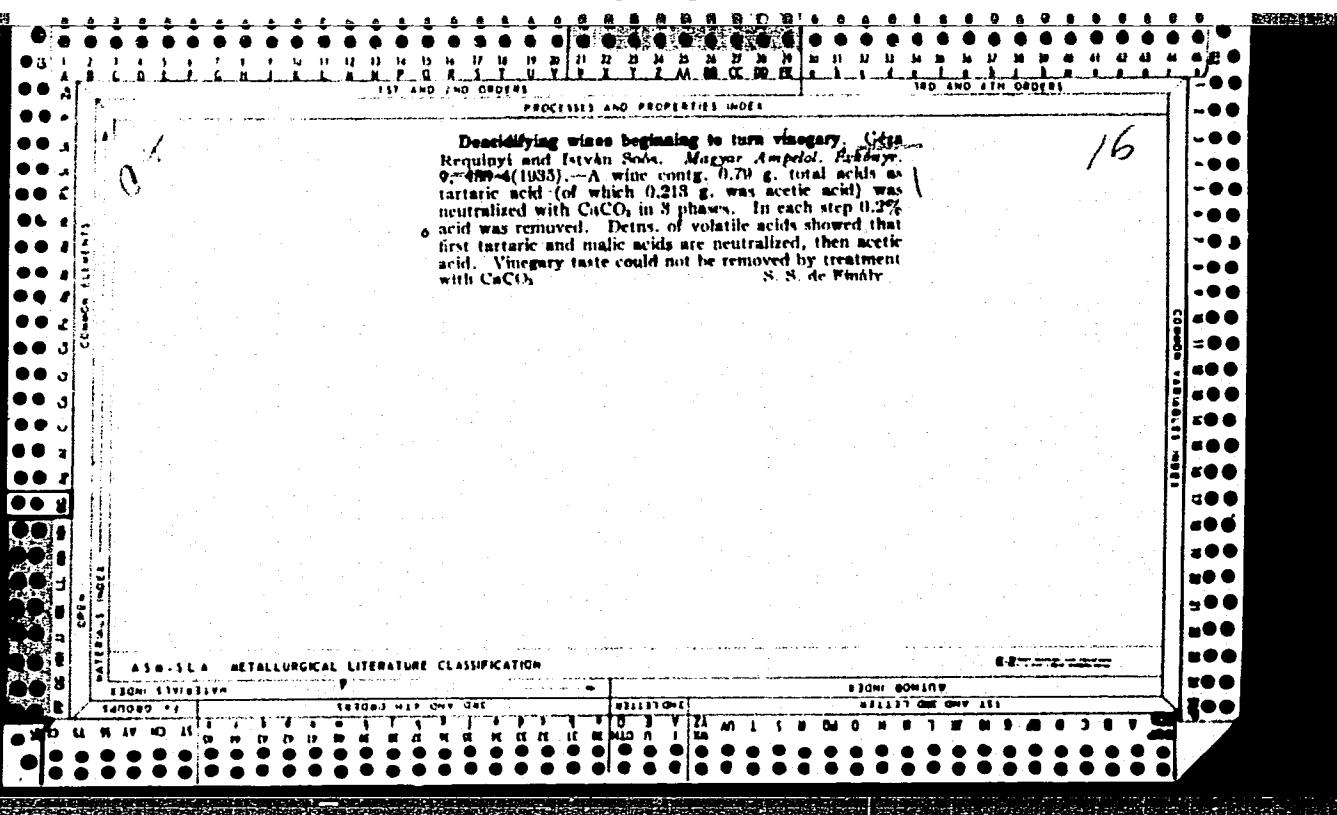


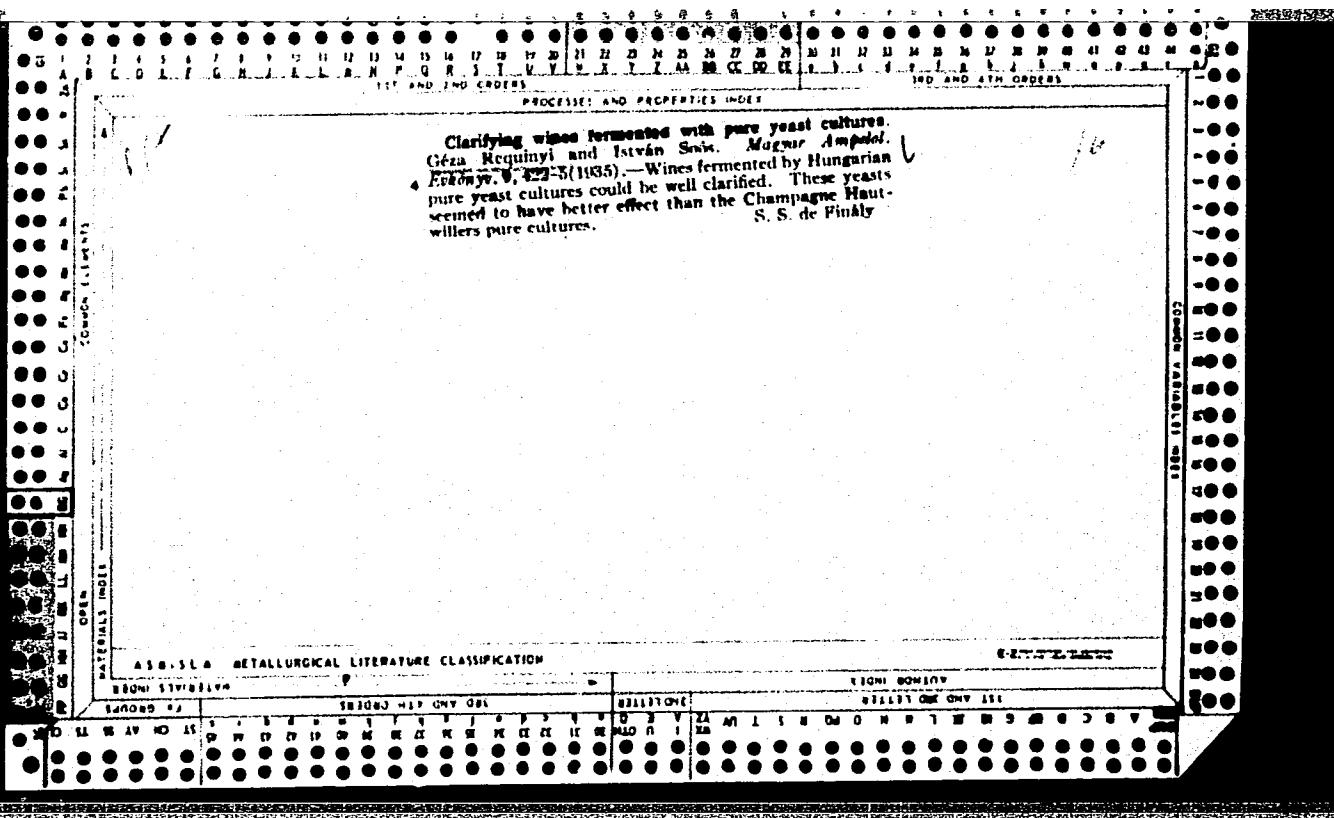












RERABEK, J.

"Report on the meeting of the Central Radiobiological Commission"

Vestnik. Praha, Czechoslovakia. Vol. 5, special issue, 1958

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclassified

Bernick, J.

AGRICULTURE

Radiobiological research in applied agriculture. p. 329.

Vol. 5, no. 6, 1958

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959

RHRAPEK, J.

SCIENCE

Periodical BULLETTIN RADIOPHYSICOLOGICKE KOMISE. Vol. 3, no. 11/12, Dec. 1958.

RHRAPEK, J. Suggestions for the building of radiobiological working sites.
p. 313.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959.
Unclassified

KERASIK, J.

Application of nuclear energy in agriculture and forestry.

p. 548 (Vestnik) Vol 4 no 10/1957. Praha, Czechoslovakia.

SC: Monthly Index of East European Accessions (EEAI) LC, Vol 7 no 1 Jan 1958

Hrabašek, J.; Bubník, A.

Use of curare in catching Cervidae. p. 199.

Vol. 7, 1954

PRACE VIZUALNICH USTAVU LESNICKYCH ČSR.

Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

KERABEK, J. ; BUBENIK, A.

Phosphorus metabolism in Cervidae. p, 183.

Vol. 7, 1954
PRACE VYZKUMNYCH USTAVU LESNICKYCH ČSR.
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

RERABEK J.

2836. RERABEK J., VESELY K. and ZIZKOVÁ A. Odd. pro nemoc. ženské a dětsk. gynek. Poliklin., Karlova Univ., Praha. *Klasifikace cytologických kriterií malignity se zvláštním zřetelem k rakovine děložního čípku. Classification of cytological changes in cancer of the cervix uteri ČSL. GYNAEK. 1953, 18/5 (434-451) Tables 1 The cellular changes are divided into 4 groups: (1) normal, (2) benign, (3) suspicious, (4) malignant. All cellular changes are compared with the vaginal flora because inflammation, especially that caused by trichomonas, may cause suspicious and malignant cellular changes. Therefore group II and III are divided into 2 subgroups which do not differ morphologically, but do differ essentially in their microbial picture. In these groups a cytological re-examination is recommended after the inflammation has been treated. It is not necessary to divide the malignant changes into 2 groups according to the quantity of the malignant cells as it is not the quantity of malignant cells that is important, but only the fact that they are present at all. Cases of group IV must be checked up by a biopsy. For examination of the smears the method of Passini (smears taken from the suspected site at colposcopy) is recommended.

Veselý - Prague (X, 5, 16)

SO: Excerpta Medica, Section V, Vol. 7 No. 9

BERABEK

Hormone determinations in youths at the end of puberty.
Marie Obrová-Dvořáková, F. Tyrohl, and J. Řeřábek
(Karls Univ., Praha, Czech.). *Casopis Lékařů Českých* 99:
713-16 (1981).—In 15 boys and 23 girls of 12-16 years
17-keto steroids (?) were detd. in urine according to Callow,
et al. (*C.A.* 33, 1971); the gonadotropins according to Deanesly
(*C.A.* 30, 6800?), and the estrogens by making vaginal
smears on castrated rats. It was detd. in the collected 24-
hr urine sample, and in girls the values during menstruation
are tabulated separate from the ones from nonmenstruating
girls. The amount of T-13, girls decreases in the period pre-
ceding puberty, which preceding state was ascertained
by a gynecological exam. Shortly prior to menstruation
girls excrete more T than during the menstruation. With
boys the more T is excreted the older the boy and the more
he approaches the end of puberty. Werner Jacobson

(2)

OBRDOVA-DVORACKOVA, M.; TVAROH, F.; RERAHEK, J.

Investigation on hormonal excretion in puberty. Cas. lek. cesk.
90 no.23:713-715 8 June 1951. (CIML 20:9)

1. Of the Institute of School Health (Health Center for Working Youth).
2. Of the Institute of Biology of the Medical Faculty of Charles University.
3. Consultation Center for Adolescents.

RERABEK, J.; AUSKOVA, M.; BURDOVA-JASSEROVA, D.; MELIBOVA, V.

Biologic properties of substitute derivatives of o-aminoazotoluene. Cas.cesk.lek.Ved.priloha 63 no.9-12:286-293 Dec 1950.
(CIML 20:9)

1. Of the Institute of General Biology of Charles University and of the Biological Laboratory of the Biochemical Research Institute of the National Enterprise of Czechoslovak Chemical Plants.

RECARA, V.

RERABEK, J.

Detoxication of drugs in the body. Cas. cesk. lek. 63 no.21:262-
270 15 Nov 50. (CIML 20:4)

244T12
Czechoslovakia/Medicine - Cancer, Nitrogen Mustards May 52

"Cancer Chemotherapy," J. Rerabek

"Ceskoslovenska Farmacie" Vol 1, No 5, pp 239-244
Reviews the subject of the chemotherapy of cancer.
Mentions methyl-di(beta-chloroethyl)amine, ethyl-
amine (I) as substances that are of importance in
this connection. Says that to the same type as the
latter I or nitrogen mustards in general belongs
also a new domestic [commercially available?]

244T12

product made at Vychodoceske Chemicke Zavod, Ry-
bitvi. This product is designated by the symbol
TS 160.

244T12

A

II H

Nucleic acid synthesis in the liver cell after methylthiouracil. J.-Rečňák, (Charles IV Univ., Prague, Czech.). *Nature* 164, 703-4 (1949); cf. *C. A.* 42, 3077b.—Although the incorporation of 4-methyl-2-thiouracil does not affect the deoxyribose nucleic acid content of rat liver cells, it does produce a significant increase in the content of ribose nucleic acid. Vitamin A is found to have no protective influence on the nucleotide synthesis in the thiouracil liver, and combined medication of thiouracil with vitamin A results in no changes in the increase of ribose nucleic acid which is caused by the goitrogenic drug alone. The increased formation of ribose nucleic acid demonstrates that methylthiouracil can be used for the biosynthesis of cytoplasmic nucleotide by the liver cells. C. H.

CH

II-H

Chemotherapy of cancer. J. Rytánek (Univ. Prague).
Českoslov. farm. 1, 269-70(1952).—A review with 54 references.
Dagmar Hubíková

C A

11B

Fractionation of thyroid cells. Jaroslav Reffábek (Univ. Charles IV, Prague, Czech.). *Biochim. et Biophys. Acta* 7, 482-3 (1951) (in English).—Fresh swine thyroids were fractionated by differential centrifugation in pure nuclei, mitochondria, and cytoplasm, contg. 4.85, 0.97, and 145.12 mg. thyroxine, resp., per 100 g. dry gland, and 8.07, 1.04, and 165.52 mg. diiodotyrosine, resp. Peter Bernfeld

REF ID: A4250147

CA

10H

Biological properties of substituted derivatives of *o*-aminotoluene. Jaroslav Rečábek, Marie Aukštovičová, Dagmar Burdová-Jascerová, and Vlasta Něhlíková (Charles Univ., Prague). *Casopis Českého Lékařství* 63, 280-93 (1980) (English summary).—The ability of substituted *o*-aminotoluene, methylaminotoluene, and related compds. to stimulate epithelial growth and bacteriostatic action, is increased proportionately to their solv. in water; their affinity to lipides should also be high. Incorporation of sulfonamidic group and of azolinkages into *o*-aminotoluene mol. increases bacteriostatic power, while methylation despite its favorable effect on initial epithelialization, does not arrest bacterial growth. Olárich Šebek.

CA

11B

Fractionation of thyroid cells—quantitative distribution of thyroxine, diiodotyrosine, and nucleic acids in isolated cell fractions. Jaroslav Režáček (Univ. Charles IV, Prague, Czech.). *Biochim. et Biophys. Acta* 8, 389-98 (1952) (in English); cf. C.I. 40, 6000a.—Fresh swine thyroids were minced, frozen, minced again, homogenized in ice-cold H₂O (2 times wt. of thyroids), and further homogenized at 0.5° as citric acid was added. The homogenate was filtered through cheesecloth (and again through flannel for chondriomes). The thyroid cell nuclei, chondriome I (mitochondria and chondriocentes), and chondriome II (microsomes) were fractionated by centrifugation. Concentrations of pentenosenuleic acid, desoxypentenosenuleic acid, thyroxine, and diiodotyrosine in the thyroid cell were determined, as follows (in order): nucleus (7.5, 50.5, 2.7, and 4.7%); chondriome I (4.0, 0.6, 0.4, and 0.6%); chondriome II (1.7, 0.6, 0.3, and --%); and cytoplasm (+ colloid) (89.8, 48.3, 00.6, and 94.7%). The possible origins of these chem. secretions are discussed.

Arlan G. Roberts

REFEEK ✓
CZ ECHOSLOVAKIA / Chemical Technology, Chemical Products and
Their Application. Part 3. - Treatment of Solid
Combustible Minerals.

H-21

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12481.

Author : V. Rerabek.

Inst : Not given

Title : New Method of Size Determination of Coal and Coke Grains.

Orig Pub : Palina, 1957, 37, No 5, 152 - 157.

Abstract : A method of computative treatment of coal or coke screening data based on the theses of statistical physics is proposed; this method consists in computing a parameter expressing (in %) the degree of correspondence of the grain size to the magnitude best for the fuel of the given kind. Examples of the application of such a parameter to the evaluation of the crushing degree of coal and coke are presented.

Card 1/1

RERABEK, V.

A new method of designating the granulation of coal and coke. p. 152. (Paliva, Vol. 37, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

RERABEK, V.

✓ Assessing Blast Furnace Coke Quality. III. A new Method of Assessing Coke Quality. O. Havel and V. Steřabek. (Palivo, 1968, 43, (10), 592-594). (In Czech). A criterion for assessing coke quality by mechanical methods is proposed. This is based on the sum of four parameters relating to the strength, the frequency of fissures, the resistance to splintering, and the mass-fraction of particles below 1 cm dia. obtained after 360 revolutions in the "Alicum" wear-testing drum. The method was checked with 20 different samples of blast furnace coke. —V. V.

Poly. Chem.

RERABEK, V.

✓ 2363* (Czech) Evaluating Coke for Blast Furnaces. Hedpo-
cení kokau pro výšeké pce. III. A New Method of Evaluat-
ing Coke. Nový způsob hodnocení kokau. O. Havel and V.
Rerabek. Paliva, v. 38, no. 10, Oct. 1956, p. 329-334.

✓

2

MAJSKY, A.; RERABKOVA, E.; PESKOVA, D.; Technical collaboration: KRESKEVOA, M.;
KRECEK, M.

The demonstration in some permanent strains of malignant cells of group-specific ABO (ABH) agglutinogens and D(Rh_0) receptors. Neoplasma 9 no. 2: 141-149 '62.

1. Institute of Haematology and Blood Transfusion, Prague, CSSR.

(NEOPLASMS immunol)

BEL'TYUKOVA, K.N.; BEY-BIYENKO, I.G.; BUYANOVA, O.F.; DETINOVA, T.S.;
RERBERG, M.S.; SHIENOVA, M.F.

Preliminary report on the development of a system of measures for
the control of blood-sucking insects at the construction site of the
Krasnoyarsk Hydroelectric Power Station. Med.paraz. i paraz.bol. 27
no.1:20-26 Ja-F '58. (MIRA 11:4)

1. Iz sektora entomologii Instituta malyarii, meditsinskoy parazito-
logii i gel'matologii Ministerstva zdravookhraneniya SSSR (dir. insti-
tuta - prof. P.G.Sergiyev, zav. sektorom - prof. V.N.Beklemishev).
Pernskogo gosudarstvennogo universiteta i iz Krasnoyarskoy krayevoy
sanitarno-epidemiologicheskoy stantsii (glavnnyy vrach S.I.Nozik)
(INSECTS.

control measures in rural construction zones, evaluation
(Rus))

L 11261-66 EWT(1)/FS(v)-3 SCTB DD/RD SOURCE CODE: UR/2865/65/004/000/0598/0604
ACC NR: AT6003897

AUTHOR: APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001

ORG: none

TITLE: Processing human excrement by means of naturally occurring algal and
bacterial populations

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii.
v. 4, 1965, 598-604

TOPIC TAGS: Chlorella, bacteria, algae, life support system, chemical precipitation,
excretion, vacuum distillation, closed ecology system, centrifugation, water, processed
animal product, chemical purity, water purification

ABSTRACT: Small, closed, life-support systems based on recirculation of biosubstances
consist of three phases: 1) synthesis, 2) consumption, and 3) reutilization (i.e.,
recirculation into the system of the products of human vital activity). An attempt
was made to reclaim water. Naturally occurring populations of Chlorella vulgaris
and bacteria were chosen as agents by which it was hoped to achieve a higher degree
of efficiency than is usual with phytoplankton and bacterial flora in sewage basins.
A three-step culture process, affording sufficient mineralization of excreted organic
matter, the creation of an algae biomass, and production of secondary, humus-type
organic matter, was used.

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ACC NR: AT6003897

Results show that the regenerated water conforms to most international standards (see Table 1). Organic matter, mostly humus (as is characteristic of aerobic processing) can easily be precipitated by the addition of Fe-AL cations. Further physical and chemical purification is simple, without significant loss of water from the system.

Table 1. Results of biological processing (USSR)
compared with foreign standards

Country	Dry residue	Organic matter	H ⁺	Cl ⁻	SO ₄ ²⁻	NO ₃ ⁻	NO ₂ ⁻	NH ₄ ⁺
	mg/liter							
Belgium	500	2-5	20	8	2-65	4	-	-
Sweden	500	2.5	-	20	-	20	0	0.02
France	500	2.0	-	40	-	-	0	0
USSR	500-600	2-3	19	20-30	80	30-40	-	traces

The most serious disadvantage is that 1 to 2 months are required to process and regenerate water from the normal excretion of 24 hours. Culture intensification (dilution of 1 : 40 instead of 1 : 80, with 8 hours of

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ACC NR: AT6003897

illumination in 24) cut this time to 72 hours. The water obtained (after precipitation of secondary organic matter) conformed to the GOST standard 2761 (1957) for water supply sources. Results of chemical analysis are given in Table 2.

Table 2. Medium from human wastes (dilution 1 : 40) processed by stepwise laboratory cultivation

Medium from human excreta	NH ₄	NO _x	NO _y	Albuminoid N	Alkalinity mg/eq	Hardness, mg/eq	Cl'	SO ₄ '	Mg	Ca	P	Fe ₂ O ₃	Permanent ganate number
	mg/liter				mg/liter								
Before	8.5	4.5	0.04	15.2	2.6	2.5	180.00	137.7	11.2	25.90	23.5	0.1	100.8
After	0.31	1.07	0.001	—	2.5	1.1	176.40	97.5	8.16	9.5	0.00	0.05	35.6

Intensive algae culture on a potassium-urine substrate in a water-closed system for 5 months showed: 1) Due to the presence in human wastes of substantial amounts of minerals not required by the organisms

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L 14261-55
ACC NR: AT6003897Table 3. Utilization of elements by Chlorella
in human waste culture (in mg)

Element	Medium at outset 1:10	Amount of element used by algae	Medium at end	Remainder
Carbon	118.3	1640	36.9	13.6-fold deficit
Nitrogen	82.19	67.75	14.47	82.23
Phosphorus	23.5	22.76	0.0	22.76
Sulfur	18.86	5.86	13.0	18.86
Magnesium	11.2	3.04	8.16	11.2
Calcium	25.9	15.84	9.5	25.34

used (Chlorella and bacterial flora), mineral salts were not assimilated but accumulated to saturation and then began to precipitate out of solution. This led to pH fluctuations in the medium. 2) Prolonged (5 months) culture caused saturation of the medium with soluble and nonsoluble humus-type organic matter. Nonsoluble matter can be removed by precipitation, but the soluble matter accumulates and suppresses the vital activity of the Chlorella and bacteria. Physical and chemical purification to remove soluble organics is required from time to time to prevent deterioration of the system. Centrifugation followed by vacuum distillation proved highly

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ACC NR: AT6003897

effective for removing sodium and sulfur. NaCl (up to 2 g/liter stimulated the algae, and larger amounts (up to 4 or 5 g/liter) did no harm. Table 3 shows the amounts of various elements present in the medium at the beginning, used by the Chlorella, and present in the medium at the end of the process.

One approach to these problems may be the alteration of human diet to bring the composition of excreta more closely in line with the requirements of the algal-bacterial link. For instance, human diet might be enriched with nitrogen, phosphorus, and magnesium to combine with excess sulfur and potassium to form compounds more easily assimilable by the algae-bacteria population.

Biological recirculation of substances advantageously combines four functions in a single process: 1) primary biomass synthesis, 2) reutilization of raw waste, 3) primary purification of water, and 4) regeneration of oxygen. Orig. art. has: 2 figures and 3 tables. ATD PRESS: 4091-F

SUB CODE: 06, 07 / SUBM DATE: none

TS
Card 5/5

TIMOFEYEVA, L. V.; GRASIS, V. K.; MERINOV, V. A.; LEBEDENKO, T. D.;
RERBERG, M. S.

Method of survey with reference to tick encephalitis and gnats
in the exploration of new territories. Med. paraz. i paraz. bol.
no.6:710-715 '61. (MIRA 15:6)

1. Iz Instituta meditsinskoy parazitologii i tropicheskoy medi-
tsiny imeni Ye. I. Martsinovskogo Ministerstva zdravookhraneniya
SSSR (dir. - prof. P. G. Sergiyev) i Krasnoyarskoy krayevoy
sanitarno-epidemiologicheskoy stantsii (glavnyy vrach S. I.
Nozik)

(ENCEPHALITIS) (DIPTERA)

RERBERG, M.S.; VORON'YENA, T.L.; KUD'MINA, R.I.; DANKHATOVA, I.M.

Transformation of human excretions with the help of a natural
algal-bacterial community. Probl. koem. biol. 4:598-601 '65.
(MIRA 18:9)

USSR / Zooparasitology. Acarina and Insects. Vectors G
APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24270.

Author : Rorberg, M. S.

Inst : Not given.

Title : Phenology of Ticks *Ixodes persulcatus* in the
Region of the Stolby State Reservation Near Kras-
noyarsk.

Orig Pub: Med. parazitol. i parazitarn. bolczni, 1958, 27,
No 2, 208-210.

Abstract: Observations of various types of stations in the
Kuysumskiye Mountains showed that in 1957, in
adult ticks *I. persulcatus*, there were three peaks
of abundance in the beginning and end of May, and
in the middle of June.

ACCESSION NR: AP4036729

S/0020/64/156/002/0457/0460

AUTHOR: Gurevich, A. A.; Trubachev, I. N.; Rerberg, M. S.

TITLE: On the effect of hydrogen peroxide on nitrate reduction in green plants

SOURCE: AN SSSR. Doklady*, v. 156, no. 2, 1964, 457-460

TOPIC TAGS: nitrate reduction, hydrogen peroxide, algae, chlorella, nitrate, ammonia, amination, nitrogen, biosynthesis

ABSTRACT: The authors investigated whether an external introduction of a physiologically admissible concentration of hydrogen peroxide, under certain conditions, would affect nitrate reduction in a plant and, so, produce an increase in ammonia formation. The experimental subjects were one-celled green algae (*chlorella vulgaris*, a thermophytic variant). From some of the experimental results, it was shown that the addition of hydrogen peroxide to the nitrate solution, under either night or daylight conditions, increased ammonia production from the plant to the surrounding environment by an average of more than 1-1/2 times. When the nitrogen was depleted, however, the chlorella did not give off ammonia. It was concluded, therefore, that for green plants, the biosynthesis of albuminous matter from nitrates was accomplish-

Card 1/2

ACCESSION NR: AP4036729

ed with the assistance of the induced reduction reaction. Orig. art. has: 2 tables

ASSOCIATION: Institut fiziki. Sibirskogo otdeleniya. Akademii nauk SSSR
(Institute of Physics, Siberian Branch, Academy of Sciences SSSR)

SUBMITTED: 04Sep63

DATE ACQ: 16Jun64

ENCL: 00

SUB CODE: LS

NO REF SOV: 002

OTHER: 001

Card 2/2

RERBERG, M.S.

The phenology of Ixodes persulcatus in the Stolby Preserve near Krasnoyarsk. Med. paraz. i paraz. bol. 27 no.2:208-210 Mr-Ap '58 (MIRA 11:5)

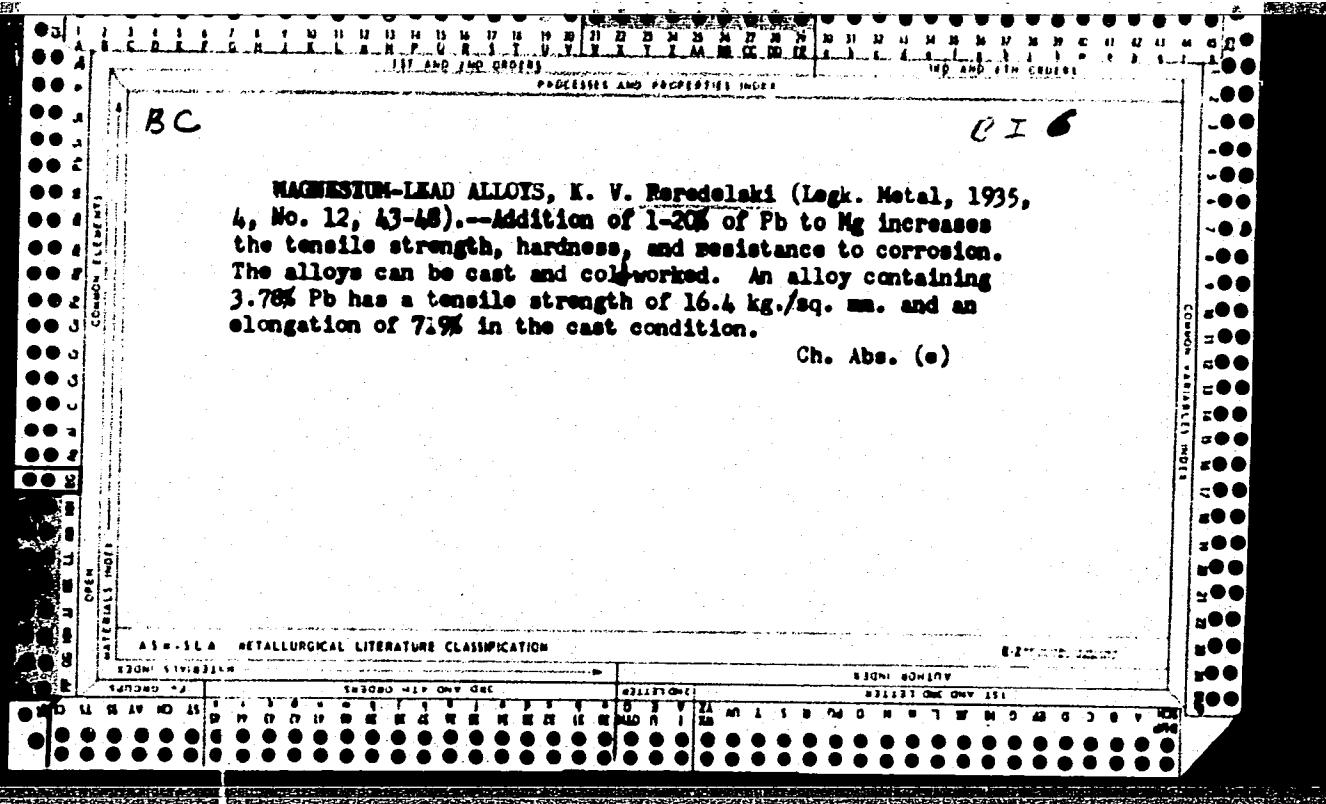
1. Iz Krasnoyarskoy krayevoy sanitarno-epidemiologicheskoy stantsii (glavnnyy vrach S.I. Nozik)
(TICKS,

Ixodes persulcatus, phenol. study (Rus))

RERBERG, M.S.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444
Med.paraz.i paraz.bol. 29 no.5:528-532 \$40.00 (MIRA 15:2)

1. Iz Krasnoyarskoy krayevoy sanitarno-epidemiologicheskoy stantsii (glavnnyy vrach S.N. Nozik).
(KRASNOYARSK TERRITORY--ENCEPHALITIS)



GRIGOR'YEV, S.S.; REREN, B.B.; ROZENMAN, Ye.B.; MYAGKOV, V.A., redaktor;
POLTEVA, B.Kh., redaktor izdatel'stva; SHITS, V.P., tekhnicheskiy
redaktor

[Work experience of the Vyazemskiy Forest Industry Establishment]
[Obzor raboty Viazemskogo lesopromkhoza. Sost. S.S. Grigor'ev i dr.
Moskva, Goslesbumizdat, 1956. 23 p.]
(MLRA 10:4)

1. Russia (1923- U.S.S.R.) Ministerstvo lesnoy promyshlennosti.
Tsentral'noe biuro tekhnicheskoi informatsii.
(Vyazemskiy--Forests and forestry)

USSR / Diseases of Farm Animals. Diseases Caused by
Viruses and Rickettsiae.

R-2

Abs Jour : Ref Zhur - Biol., No. 17, 1958, No. 78938

Author : Rerer, G.

Inst : Not given

Title : On the Newest Methods of Prophylaxis and Treatment of a
Hoof-and-Mouth Disease and Swine Fever.

Orig Pub : Mezhdunar. s.-kh. zh., 1957, No. 2, 62-70.

Abstract : Sufficiencies and insufficiencies are reviewed of methods
of fighting hoof-and-mouth disease (slaughter of infected
and suspicious animals, vaccination, combination of
slaughter and vaccination), of different systems of vacci-
nation against hoof-and-mouth disease, as well as methods
of immunization against swine fever.

Card 1/1

HERICHA, Jaroslav, inz.

Handling of raw materials, semifinished products, and products
in panel factories. Poz stavby 11 no. 5:240-242 '63.

1. Vyvojove pracoviste, Pozemni stavby, n.p., Karlovy Vary.

RERICHA, Karel, inz.; MAYER, Vilem, inz.

Photometric determination of zircon by xylene orange. Hut listy 17
no.12:883-884 D '62.

1. Vitkovicke zelezarny Klementa Gottwadla, Ostrava.

ZAHRADNIK, R.; RERICHA, R.; AZAMIT, P.; REZABKOVA, M.; SKRAMOVKSÝ, S.

Reaction of some cations of heavy metals with slightly soluble
calcium compounds. Coll Cz Chem 25 no.1:146-158 Ja '60. (EEAI 9:12)

1. Institut fur Arbeitshygiene und Berufskrankheiten, Prag, und
Institut fur anorganische Chemie, Karlsuniversitat, Prag.
(Heavy metals) (Cations) (Calcium)

KOCHIOEFL, K.; SCHNEIDER, P.; RERICHA, R.; BAZANT, V.

Investigation of the composition of lignite-tar fraction at
Sdp. 220-280 C. Pt. 2. Coll Cz Chem 28 no. 12:3362-3381 D '63.

1. Institut fur theoretische Grundlagen der chemischen Technik,
Tschechoslovakische Akademie der Wissenschaften, Prag.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

CZECHOSLOVAKIA

KOCHIOEFL, K; SCHNEIDER, P; RERICHA, R; BAZANT, V.

Institute of Theoretical Fundaments of Chemical Technics of
the Czechoslovak Academy of Sciences (Institut für
theoretische Grundlagen der chemischen Technik, Tschecho-
slowakische Akademie der Wissenschaften), Prague (for
all)

Prague, Collection of Czechoslovak Chemical Communications,
No 12, 1963, pp 3362-3380

"Examination of the Composition of Brown Coal Tar Fraction
of 220-280 C. II. Isoparaffin and Cycloparaffin
Carburetted Hydrogen."

(7)

SMRCEK, Karel, inz.; RERICHA, Roman, promovany chemik; KANDL, Jan, inz.

Effect of surface properties of solid and liquid phases on the formation of green pellets. Hut listy 16 no.5:318-324 My '61.

1. Vyzkumny ustav, Zalezne doly a hrudkovny, Mnisek pod Brdy.

HERICHA, V.,
S. FRÖTIVÁ, (No Journal)

CH

17

Derivatives of α -cyanopropionic acid. M. Prokes, V. Reichen, and J. O. Hudlicky, *J. Am. Chem. Soc.* 44, 2311 (1922). KCN (105 g) in 400 ml 96% EtOH at 50° was treated with 240 g $H_3CCH_2CH_2Br$ in 450 ml EtOH; after the spontaneous reaction subsided, the mixt. was refluxed 2-3 hrs., the NaBr filtered off, the EtOH evapd. *in vacuo*, the residue extd. with CHCl₃, the CHCl₃ stripped off, and the residue distd. at 110° at 15 mm. or 120° at 20 mm. to yield 112 g. (67%) $H_3CCH_2CH_2CN$ (I). 1363.5 g. (25 g. EtOH, and 400 ml EtOH saturated with dry HCl with cooling yielded 95 g. (91%) $H_3CCH_2CH_2NHCO_2H$ (II). II was heated to 102.5° (decompn.) after standing in the rebox. II (20.9 g.) in 50 ml EtOH, allowed to stand with 150 ml 6% NH₃ in EtOH 12 hrs. at room temp. and a few hrs. in the rebox, yielded 11 g. 2-imino-5-pyrrolidone (III), m. 190.5°, raised by a few crystals from dil. EtOH to 225.30° (decompn.). III (2 g.) gave 0.8 g. succinimide by hydrolysis with 60 ml water after refluxing 3 hrs. Hydrolysis of III by Ba(OH)₂ gave succinic acid. **α -Benzyl- α -butyryl- α -propanoamide (IV)** (1.5 g.) was prep'd. by treating 2 g. II with 2 g. PhCH₂NH₂ in 10 ml EtOH at room temp., evap'g the solvent *in vacuo* and treating the residue with MeCOO. IV is sol. in water and EtOH and insol. in Me₂C₂O. The hydrazone, m. 70°, of $H_3CCH_2CH_2CN$ was prep'd. by refluxing 2.54 g. I and 1 g. $NH_2CH_2CO_2H$ 2 hrs. in 5 ml. EtOH; evap'g left a glassy material. — M. Hudlicky

/ 0

C.A.

New synthesis of 2,5-xylenol. V. Řeřicha and M. Protiva (Pharm. Works, Prague, Czech.), *Chem. Listy* **45**, 157-8 (1951). *m*-Cresol (I) was transformed to *n*-butyl-ammonium-m-cresol (II) with Et₃NH and CH₃O. II was hydrogenated to 2,5-xylenol (III), this transformed to 1-nitro-2,5-xylenol (IV), which was oxidized to 2,5-xyloquinone (V), reduction of which gave 2,5-xylohydroquinone (VI). I (54 g.) in 25 ml. MeOH was treated with 41 g. Et₃NH and 70 g. 33% aq. CH₃O (the temp. rose to 60-70°); the mixt. stirred 3 hrs., the org. layer sepd. and distd.; u yielding 65.2 g. (68%); II, b.p. 114-25°; picrate, m. 142.5-3°. II (62 g.) hydrogenated at 180-30° and an initial pressure of 150 atm. over 6 g. Raney Ni yielded 31 g. (50%) III, b. 200-10° (mostly 204-6°), m. 71-2°. III (12.2 g.) was nitrated to give 10 g. IV, m. 162° (decompn.). To crude IV from 31 g. III was added with cooling 80 g. NaCrO₄ and 150 ml. H₂SO₄; after 2 days, steam distn. gave 19 g. V, m. 123-4° (from dil. EtOH). A lower yield of V was obtained by coupling III with diazotized sulfamic acid, reducing the azo compnd., and oxidizing the 4-amino-2,5-xylenol. V (17 g.) was reduced with 30 g. Zn in 100 ml. AcOH and 30 ml. water by boiling 15 min., yielding 12 g. VI, m. 212-15°. M. Hudlický

CA

10

Derivatives of β -cynopropionic acid. M. Protiva, V. Rejcha, and J. O. Flek. *Chem. Listy* 44, 231-2(1950), ... 240 g. $\text{EtO}_2\text{CCH}_2\text{CH}_2\text{Br}$ in 160 ml. $\text{EtO}H$; after the spontaneous reaction subsided, the mixt. was refluxed 2.5 hrs., the NaBr filtered off, the $\text{EtO}H$ evapd. *in vacuo*, the residue extd. with CHCl_3 , the CHCl_3 stripped off, and the residue dried at 110-11° in 15 mm. or 120° in 20 mm. to yield 112 g. (67%) $\text{EtO}_2\text{CCH}_2\text{CH}_2\text{CN}$ (I). I (83. g.), 25 g. Et(OH) , and 400 ml. $\text{EtO}H$ sold. with dry HCl with cooling yielded 93 g. (91%) $\text{EtO}_2\text{CCH}_2\text{CH}_2\text{C}(=\text{N})\text{OEt}$ (II); HCl salt, m. 102.5° (decompn.). after standing in the icebox. II (20.0 g.) in 80 ml. EtOH , allowed to stand with 150 ml. 6% NH_3 in EtOH 12 hrs. at room temp. and a few hrs. in the icebox, yielded 11 g. 2-imino-3-pyrrolidone (III), m. 100.5°, raised by a few crystals from dil. EtOH to 227-30° (decompn.). III (2 g.) gave 0.8 g. succinimide by hydrolysis with 60 ml. water after refluxing 3 hrs. Hydrolysis of III by Ba(OH)_2 gave succinic acid. *N*-Benzyl- β -carboxypropionamide (IV) (1.5 g.) was prep'd. by treating 2 g. I, with 2 g. $\text{PhCH}_2\text{NiI}_2$ in 10 ml. EtOH at room temp.; evapg. the solvent *in vacuo* and treating the residue with Me_2CO . IV is sol. in water and EtOH and insol. in Me_2CO . The hydrazide, m. 70°, of $\text{H}_2\text{CCH}_2\text{CH}_2\text{CN}$ was prep'd. by refluxing 2.64 g. I and 1 g. $\text{NH}_2\text{H}_2\text{O}$ 2 hrs. in 5 ml. $\text{EtO}H$; evapn. left a glassy material
M. Hudlicky

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Chem A

Antihistamine substances. VIII. Derivatives of 1-phenylindan, 1-phenyl-1,2,3,4-tetrahydronaphthalene, and 2-phenyl-1,2,3,4-tetrahydroquinoline. M. Protiva, V. Rečka, M. Borovička, and J. O. Jílek (United Pharm. Works, Prague). *Collection Czech. Chem. Commun.*, **15**, 332-39 (1950) (in English). Higher homologs and cyclic analogs (1050) are described. The following compounds were prepared and tested for antihistamine activity: *1,1-Diphenylpropyl 2-dimethylaminoethyl ether*, b.p. 139-141°, from PhCOHClEt, Me₂NCH₂Cl, and NaNH₂ in C₆H₆; HCl salt, m.p. 180-91°, activity 5 (benadryl = 100). *1,1-Diphenylbutyl 2-dimethylaminoethyl ether*, b.p. 130-32°, HCl salt, m.p. 181°, activity 5 (benadryl = 100). Impure oil, from 1-indanone, PhBr, and Me₂NCH₂Cl, m.p. 151-60°, from Li and Me₂NCH₂Cl; methiodide, m.p. 177-85°, activity 20. *di-1-Phenyl-1-(2-dimethylaminoethyl)-1-tetrahydronaphthalene*, b.p. 155-60°, from ethoxy-1,1-tetrahydronaphthalene, m.p. 195-200°, activity 10. *di-2-Phenyl-1,1-tetrahydronaphthalene*, m.p. 195-96°, activity 10. *2-Substituted derivatives of 1-phenylindan*: from 2-phenylquinolinium, 0-potassium (II), b.p. 148-155°, from 2-phenylquinolinium, Raney Ni at 100 atm., and 60-70°, was purified as the *Ac deriv.*, m.p. 71-72°; *potassium*, m.p. 194°; *decomp.* 2-*Phenyl-3,6,7-tetrahydroquinoline*, b.p. 116-50°, from the mother liquor of the Ac deriv. of II, HCl salt, m.p. 95-7°; *potassium*, m.p. 155-7°. *2-Substituted derivs. of II*: 2-lumethylpotassium, m.p. above 190-142, 6088°; *potassium*, m.p. 193-141°, HCl salt, m.p. 140-141°, HCl salt, m.p. 179-141°, activity 20; *2,2-piperidyl*, b.p. 160-202°; *potassium*, m.p. 168-9°, HCl salt, m.p. 237-8°; *2-phenyl-1-phenyl-1-tetrahydronaphthalene*, b.p. 292-300°, m.p. 168-9°; *2-phenyl-1-phenyl-1-tetrahydronaphthalene*, b.p. 240-141°, *Morpholinodipropyl*, b.p. 292-300°, m.p. 168-9°; *potassium*, m.p. 151-141°, HCl salt, m.p. 230-141°, activity 100° (*potassium*, m.p. 151-141°, HCl salt, m.p. 230-141°, activity 100°); cf. *C. A.*, **45**, 5772. Alfred Holling

1951

A3

CA

10

Synthetic experiments in the pyrimidine series. V. Ketcha and M. Proutie, *J. Am. Chem. Soc.*, 44, 2122-3 (1922).

With the general objective of preparing 5-(2-aminomethyl)-1,6-dihydro-5-(2-carboxyethyl)pyrimidin (I) from tri-*E*-α-hydroxypyrimidine (II), 2-methoxy-4-methyl-5-(2-carboxyethyl)-6-methoxycarbonyl-5-hydroxypyrimidine (IV) was prepared from **III**. **5-Mercapto-6-dihydro-5-(2-carboxyethyl)pyrimidine**, (V) (from *d*-*E*-5-mercaptopentane-1,4-dione and methyl iodide) (VI) and (2-dimethylaminomethyl)acetoacetone (VII). NaCH₂COEt₂, heated 1 hr. at 60° with 160 g. EtOH, the mixt., reduced 1 hr., the NaH filtered off, EtOH stripped in vacuo, and the residue dried, to yield 75 g. (58%) **V**, b.p. 161-175°, mostly b.p. 168-72°. **II** (15.6 g.) and CS₂NH₂ were reduced 20 hrs. in 90 ml. EtOH with 1.08 g. Na, the EtOH dried off, the residue dried, with 50 ml. water, made alk. with 5 ml. 40% NaOH, and the solution filtered and acidified with 15 ml. HCl to yield 5.0 g. (40%) **III**, m. 235-56°. **IV** (68%), b.p. 183-7°, was prepared by the method of Pinthay and Dougherty (*J. Am. Chem. Soc.*, 44, 902), **V** reduced 10 hrs. and the ppt. (19.5 g., 85%) crystallized from EtOH, yield **III**, m. 237-8° (decomp.). The *H/C* val. III and 20 ml. 10% HCl was prepared, from 2.25 g. (1 g.) was sol. in water, less sol. in Et₂CO, the product sol. in Me₂CO, **V**, m. above 270°, was prepared by hydrolysis with water, 12% HCl, and NaNO₂, or by Et₂O and 32 g. CH₂(CO₂)₂ (4.0 g.), CH₃CH₂CH₃ added, the returbing continued 3 hrs., 27 g. Et₂SiN₃ dried off, the mixt., refluxed 3 hrs., the ether salt removed, the C₆H₆ dried off, and the residue dried, to yield 23 g. (45%) **VII**, b.p. 148-54°, b.p. 115-16°. **VII** (7.8 g.) and CS₂NH₂ were refluxed 1 hr. with 30 ml. EtOH, 0.60 g. Na, the EtOH dried, off, the mixt. treated with 20 ml. water, extracted with ether to remove unreacted VII, and the aq.-layer neutralized with 60 ml. 0.5 N HCl; a small amt. of crystals, in above 270°, dried, to yield 16 g. (73%) **VII**, Na, and 100 ml. abs. C₆H₆ were refluxed 1 hr., then 1 hr. with 7.5 g. ClCH₂CN in 50 ml. C₆H₆, dried, the solvent dried off, and the residue dried, to yield 6 g. *N,N*CC₂H₅CH(C₆H₅)₂, b.p. 110-15°, b.p. 120-3°. **VIII**, powder in 10 ml. C₆H₆ and 15.2 g. Ac₂CH₃, adding 25.5 g. Pt₂NCH₂CH₂Cl, refluxing 3 hrs., removing the residue in vacuo (14 g.) at 140-50° (most part 145-60°) and 17 mm. M. Hindley

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RERICHA, V.

M. PROTIVA, Collection Czech. Chem. Commun. 13, 326-39, 1948

CA

10

Antihistamine compounds. XIX. Oxygen analog of antergan. V. Rejcha and M. Protiva (Pharm. Works, Prague, Czechoslovakia). *Chem. Listy* 45, 158 (1951). As an O analog of antergan, *N*-(2-methoxyethyl)-*N*-benzylamine (I) was prep'd by refluxing 18.3 g. PhNHCH₂Ph, 0.5 g. MeOCH₂CH₂Cl, and 4.3 g. NaNH₂ 10 hrs in 100 ml. C₆H₆; after decomposn. of the mixt. with water, the C₆H₆ layer yielded 18 g. b.p. 135-135° which, purified by acetylation, the admixed PhNHCH₂Ph, gave pure I, b.p. 144-5°. XX. Some new basic ethers. M. Protiva and J. O. Blaek. *Ibid.* 45, 60. — Ph₂COH and Ph₂(PhCH₂)COH refluxed several hrs. with C₆H₅NH₂CH₂Cl (I) and NaNH₂ in C₆H₆ yield approx. 50% Ph₂COCH₂CH₂NC₆H₅, m. 88-90°. *Methiodide*, m. 220.5° (from EtOH), and Ph₂(PhCH₂)COCH₂CH₂NC₆H₅, b.p. 205-15° [*methiodide*, m. 209-10°, (from EtOH)], resp. Similarly, 1-[2-(4-morpholinyl)ethyl]ethyl (3-pyridyl) (4-*tolyl*) (4-*tolyl*)ether was obtained from 3-pyridyl (4-tolyl)methylcarbinol and 2-(4-morpholinyl)ethylchloride by refluxing with NaNH₂ in C₆H₆, evapg. the solvent, and purifying the product by chromatography; *dipropionate*, m. 160-2° (from EtOH-Me₂CO). Ph₂CHSH, I, and NaNH₂ gave Ph₂CHSC₂H₅CH₂NC₆H₅ which was isolated as the HCl salt, m. 180-1° (from iso-PrOH). From the previously prep'd. Ph₂CHOCH₂CH₂NC₆H₅, was obtained an acid succinate, m. 121° (EtOH-Me₂CO). Cf. *C.A.* 45, 95214. M. Hudlicky

CZECHOSLOVAKIA

POLAK, K., MD; REMICHA, V.; KUBAT, M.; KLEIKA, J.; KLESTIL, F.;
BALTEJS, J.; KALALOVA, D.

Institute of Public Health (Ustav národního zdraví),
Jáchymovské doly (for all)

Prague, Prakticky lekar, No 16, 1963, p 628

"The Study of Morphological and Functional Condition of
Blood and Marrow Elements of the Workers in the
Jáchymov Mines."

67)

ReRicha, Václav

✓ Compounds with antihistamine and antispasmodic activity.
Václav ReRicha and Miroslav Protiva, Czech. 84,865, Oct.
2, 1955. Condensation of 2-(*p*-methoxybenzylamino)pyri-
dine (I) with 2-piperidino- or 2-morpholinoethyl halides
yields products showing biol. activity, notably high anti-
histamine effects. I (16.7 g.) in 100 ml. dry C₆H₆, treated
with 11.5 g. 2-piperidinoethyl chloride and 3.4 g. NaNH₂
in the mixt. allowed to stand overnight, refluxed on a steam
bath 6 hrs., dijd. with water, extd. with Et₂O, and the ext.
distd. yields 2-[*p*-methoxybenzyl(2-piperidinoethyl)amino]-
pyridine, b, 220-8°; monopicrate (80%), m. 122-3.5°
(from EtOH). Analogously was prep'd. 2-[*p*-methoxybenzyl-
(2-morpholinoethyl)amino]pyridine, b, 230-40°, monopicrate
(70%), m. 110°. L. J. Urbánek

2

RERICHA, Vaclav, ins.

Use of chemicals in animal production. Tech praca 16 no.12:949-
951 D 1964.

1. State Commission for the Development and Coordination of Science
and Technology, Prague.

POLAK, H.; RERICHA, Vl.; KLESTIL, Fr.; BARTEJS, J.

Volumetric and morphological changes in blood cells of workers employed in mining and processing of radioactive raw materials. Prac. lek. 14 no. 9:413-420 N '62.

1. Ustav hygieny prace a prevence chorob z povolani, Jachymov.
(URANIUM) (MINING) (BLOOD CELLS)
(OCCUPATIONAL DISEASES)

C - 3

B.A.

2200. Reactions during potassium cyanogen of organic compounds. IV. G. Kainz and A. Rausch (Mitscherlin, microkinetic Acta, 1962, 55, 75-90).—The 1-cyanogen product formed during K cyanogen-up of org. compounds is finely-divided or colloidally dispersed. C. K acetylides is formed during the reaction. N compounds give KCN. O. D. SALTMARSH.

V. BERTH

"Administrative courts and financial administration." p. 450 (FINANSIJE, Vol. 7, no. 9/10, Sept./Oct. 1952, Beograd, Yugoslavia)

SG: Monthly List of East European Accessions, L. S., Vol. 2, No. 7, July 1953, Uncl.

BRODYANSKIY, V.M., kand.tekhn.nauk; BAZHENOV, M.I., inzh.; VOLKOV, P.V.,
inzh.; KRUSHINSKIY, M.M., inzh.; RERIKH, V.K., inzh.

Drying of oxygen by cooling. Prom.energ. 17 no.4:21-25 Ap
'62. (MIRA 15:4)

(Oxygen--Drying)

COUNTRY : POLAND
CATEGORY : Chemical Technology. Chemical Products and
 Their Applications.
JPRS. JOUR. : RUMIA, no. 23 (1953), No. 23243
APPEND : Lernheras, A.
TITLE : Machinery and Flour-Grinding Equipment Abroad
ORIG. JPR. : Towar. zboz.-mlynarski, 1953, 2, No. 12, 347-
 348
ABSTRACT : Presented is a brief characteristic of machi-
nery employed for husking and polishing of
wheat and also of separators and portable pneu-
matic loaders. -- Z. Fabinski

MANUF:

1/3

RERIKH, Yu.N. [deceased]

Expedition of the Academician N.K.Rerikh to Central Asia in 1925-
1928. Vop.geog.no.50:257-262 '60. (MIRA 13:8)

(Rerikh, Nikolai Konstantinovich, 1874-1947)
(Central Asia--Discovery and exploration)

RERYCH, J.

Machinery for mine mechanization at the 2d Exhibition of the Czechoslovak
Machinery Industry in Brno. p. 99.
(Uhli, Vol. 7, no. 3, Mar. 1957, Praha, Czechoslovakia.)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

RECORDED

A Division of Culture and Leisure of William Hearst Corp. announced on Sept. 10, 1987, that it had purchased (for \$14.5 million) the Czechoslovakia)

U.S. magazine "Time" from its owner, Time Inc., New York City. Incl.

RERYCH, J.

"Remarks on the Economic Aspects of Construction Works." p. 129 (ZA SOCIALISTICKOU
VEDU A TECHNIKU, Vol. 1, No. 3, Mar. 1951) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4,
April 1954. Unclassified.

RES, D.

Description and functioning of the UKD 1 single-channel apparatus for a wireless telephone relay p. 112. ELEKTROTEHNISKI VESTINK (Institut za elektrisko gospodarstvo, Fakulteta za elektrotehniko in Institut za elektroizvaje) Ljubljana. Vol. 24, no. 415, 1956

SOURCE: East European Accession Lists (EEAL),
Library of Congress, Vol. 5, no. 11, Nov. 1956

1995, 500 m, 1000 m, French Atlantic, 1995

17 May 1943 25-33 J-F 100.

1. Institute of automation, Research and Development Center No.2,
Ljubljana, Slovenia 1, 2.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

RES, L. S., RUSKOV, L. S., and STOYKOV, G. N.

1 Schnipovskiy Land, 11/13 fl. 63, Moscow—"Growing of Piezoelectric Crystals in USSR" (Section 14-15) a paper submitted at the General Assembly and International Congress of Crystallography, 10-19 Jul 57, Montreal, Canada.

CN- C-3,800,189

RES, Dusan, dipl. inz. (Ljubljana); LOGAR, Franc (Ljubljana);
VUGRINEC, Joze (Ljubljana)

Apparatus for radio relay links, type PIM 1-400. Pt. 1.
Elektr vest 30 no. 10/12:280-284 '62/'63

RES, Dusan, dipl. inz.; LOGAR, Franc

Tenth anniversary of the first radio relay link fitted
with Yugoslav-made apparatus. Elektr vest 30 no. 10/12:
273-279 '62/'63.

1. Institute of Automation, Research and Development
Branch 2, Ljubljana, Trzaska 2.

CZECHOSLOVAKI/Chemical Technology. Chemical Products and
Their Application. Ceramites. Glass. Binding Materials.
Concrete.

Abs Jour: Ref Zhur-Khim., No 10, 1959, 35718.

Author : Kvarda, F. and Res, M.

Inst :
Title : Rapid and Precise Methods for the Determination of the
Physical Properties of Glass.

Orig Pub: Sklar a Keramik, 8, No 8, 240-242 (1958) (in Czech)

Abstract: The authors describe a number of modern methods
for determining the physical properties of glasses
(the accelerated and simple method for the deter-
mination of the dilatometric characteristics of
glass, the so-called 2-wire method, the determina-

Card : 1/2

R&D, J.

Survey of the improvers' movement in Slovakia according to individual branches of production; p. 511.

TECHNICKA PRACE. Czechoslovakia, Vol. 7, No. 11, Nov 1955.

Monthly List of East European Accessions (EEAI), LC. Vol. 6, No. 9 September 1959
Incl.

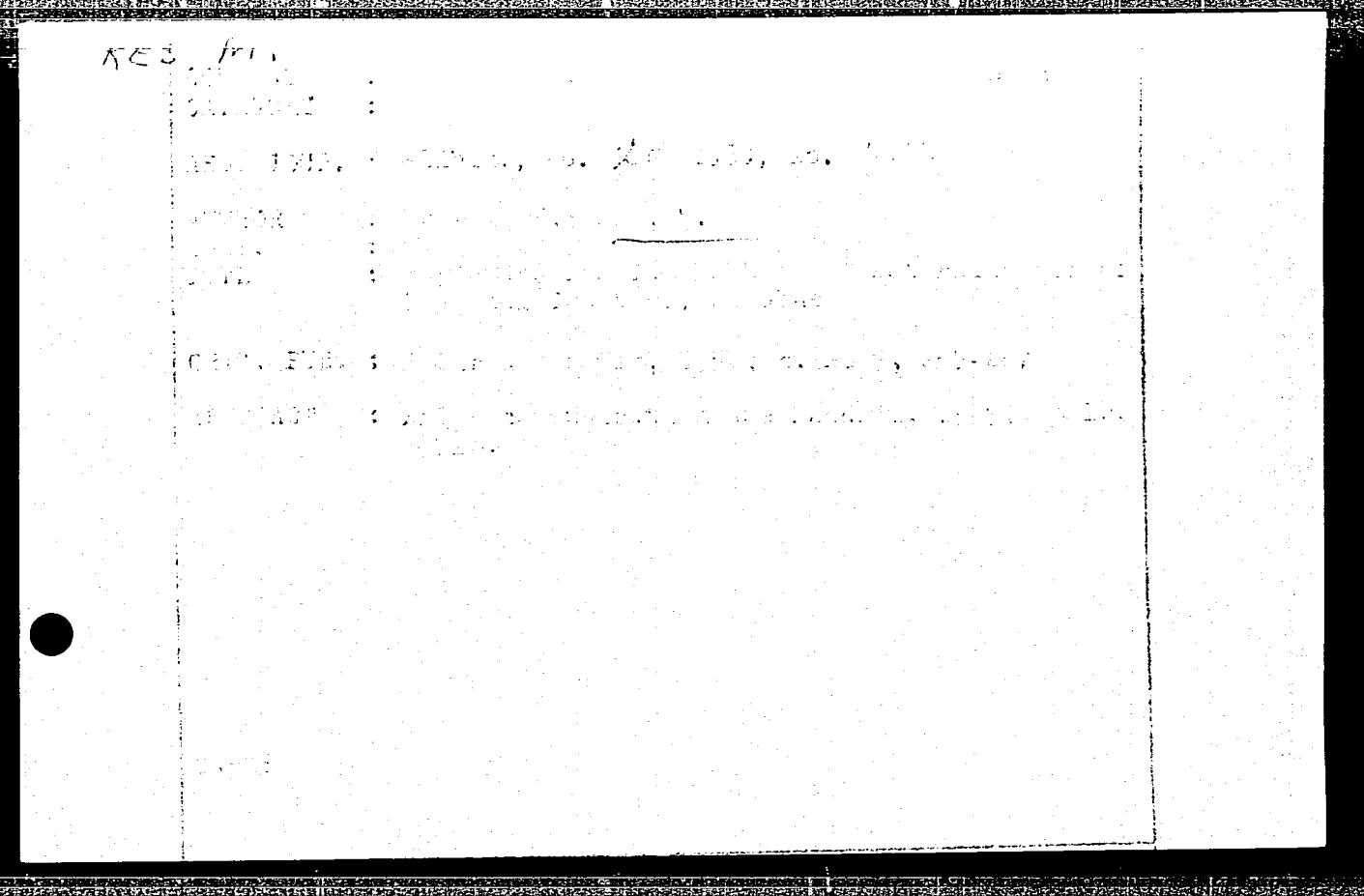
R&S J.
RESH, I [Reš, J.], doktor med.; BRET, I., [Bret, J.], doktor med.; LISHKOVA, M. [Liškova, M.], doktor med.

Splenoportography in the diagnosis of epigastric tumors.
Khirurgiia 35 no.2:10-20 F '59. (MIRA 12:5)

1. Iz TSentral'noy bol'nitsy v Prage (zav. rentgenologicheskim otdeleniyem - doktor meditsiny F.Dulik, zav. otdeleniyem grudnoy i bryushnoy khirurgii - doktor meditsiny B.Platsak).

(ABDOMEN, neoplasms,
epigastric, splenoportographic diag. (Rus))
(ANGIOGRAPHY,
splenoportography in epigastric tumors (Rus))

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RES, Miloslav, inz.

Use of data on thermal dilatation and temperature of lead glass to prevent the cracking of seals on bulb caps. Zklar a keramik 12 no.8:245-247 Ag '62.

1. Tesla Holesovice, n.p., Praha.

RES, M.; HNIDA, P.

Instruments for determining the point of glass softening, according to
Littleton, a new help in the measuring technique. p. 209.

SKLAR A KERAMIK. (Ministerstvo spotrebhino prumyslu) Praha, Czechoslovakia,
Vol. 9, No. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

RES, r.

For better utilization of the Danner machine, p. 285, SKLAR A KERAMIK
(Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 11, Nov. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

RES, Miloslav, inz., C.Sc.

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Examination of the origin of microscopic images in microscopes
electric bulbs. (To be contd.). Sklar a keramik 12 no.11:323-326 N
'62.

1. Tesla, n.p., Praha - Holesovice.

RES, Miloslev, inž., C.Sc.

Examination of the origin of microscopic fissures in thin-walled
electric bulbs. (Conclusion). Sklar a keramik 12 no.12:347-349
D '62.

1. Tesla, narodni podnik, Praha - Holesovice.

RES, Miloslav, inz., CSc; TUTUNAROVA, IOvka, inz. (Sofie)

Examples of the use of apparatus for the determination of
the flow point. Sklar a keramik 13 no.11:299-302 N'63.

1. Tesla, n.p.o., Praha-Holesovice.

Z/013/63/000/002/001/001
E112/E436

An investigation of changes ...

control depend on temperature differences ΔT ($^{\circ}$ C) at $\log \eta = 7.6$. Diagrams are presented from which temperatures at $\log \eta = 7.6$ can be computed from dilatation measurements and from the relative difference ΔT ($^{\circ}$ C) for standard and the test specimens. Discrepancies between theoretical and practical results for the temperature range of 585 to 607 $^{\circ}$ C at $\log \eta = 7.6$ were of the order of 2 $^{\circ}$ C. Accurate values for the change of physical properties of lead glasses can be determined, therefore, by measuring the main parameters (dilatation, density and temperature) and by periodical analysis of its chemical composition. There are 4 figures and 5 tables.

ASSOCIATION: Tesla Holešovice, národní podnik

Card 2/2

HUNGARY

SAS, M., Dr, KOVACS, L., Dr, RESCH, B., Dr, SZONTAGH, F., Dr; Medical University of Szeged, Gynecological Clinic (director: SZONTAGH, Ferenc, Dr) (Szegedi Orvostudomanyi Egyetem, Noi Klinika).

"Effect of Oral Progestogens (Lyndiol, Enovid) on Individual Phases of the Reproductive Process of Rabbits (Postovulatory Inhibitory Effect)."

Budapest, Orvosi Hetilap, Vol 107, No 36, 4 Sep 66, pages 1702-1703.

Abstract: [Authors' Hungarian summary] The effect of Lyndiol and Enovid on individual phases of the reproductive cycle was studied in mature rabbits. Ovulation was inhibited by the administration of the compounds when started immediately after copulation. The longer the time between copulation and the beginning of treatment, the later phases were inhibited by the treatment. Ovulation was no longer inhibited when treatment was started 30-72 hours after copulation although pregnancy remained inhibited. This effect was termed "postovulatory inhibitory effect"; its mechanism is not yet known - it is possible that implantation is inhibited although destruction of the fertilized ovum itself by the compounds also remains a possibility. 1 Hungarian, 4 Western references.

1/1

- 50 -

SZABO, Kroly, dr.; ILLES, Erno, dr.; WALLACHER, Lajos, dr.; RESCH, Gyula, dr.

Concurrent benign and malignant tumors of the bronchi. Orv. hetil.
103 no.28:1324-1328 15 J1 '62.

1. Tolna megyei Tanacs Balassa Janos Krohaza, Szekszard es Jarasi
Tudobetegrendozo Intezet, Paks.
(BRONCHI neopl)

RESH, Yu.A., kand. tekhn. nauk (Leningrad)

Water measuring nozzle of a discharge meter in air-lift
pumping of water from bored wells. Gidr. i mel. 15 no.6:
45-48 Je '63. (MIRA 16:8)

ILIC, Cedomir; NIKOLIC, Miroslav; BANOVIC, Natalija; RESANOVIC, Djorde

Cystic formations of the paranasal sinuses. Srpski arh. celok.
lek. 91 no.1:49-52 Ja '63.

1. Otorinolaringolosko odeljenje Gradske bolnice u Beogradu
Sef: dr. Cedomir Ilic.
(PARANASAL SINUSES) (CYSTS)

RESANOVIC, G.

"Dyes of the Verilan type for uncombed wool."

p. 145 (TEkstilna Industrija) Vol 4, no. 4, April, 1956
Belgrade, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958